

# Fresno BRT Master Plan Project



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Kimley-Horn  
and Associates, Inc.

# What is Bus Rapid Transit?

- “Bus Rapid Transit” (BRT) is an integrated system of facilities, equipment, services, and amenities that improve the *speed*, *reliability*, and *identity* of bus transit
- BRT is, in many respects, rubber tired light rail transit (LRT) with greater operating flexibility and potentially lower costs





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# Elements of BRT

- Running ways
- Faster service
- Accessible, safe, secure, and attractive stations
- Easy-to-board, attractive, and environmentally friendly vehicles
- Efficient fare collection
- ITS applications to provide real-time passenger information and transit signal priority
- Distinctive system identity such as branding of vehicles/station

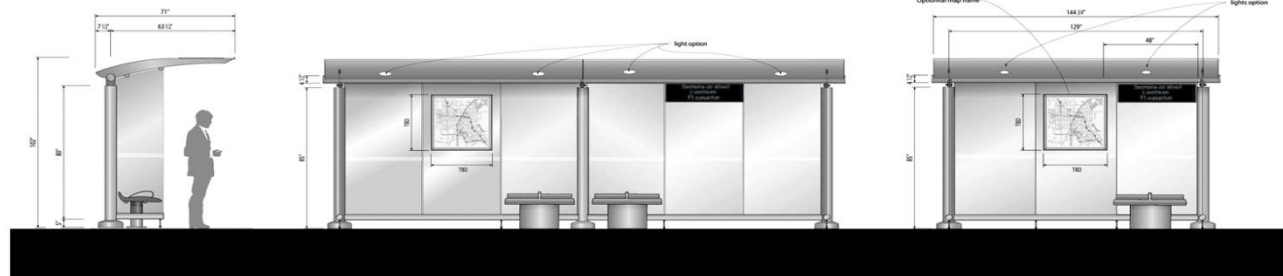
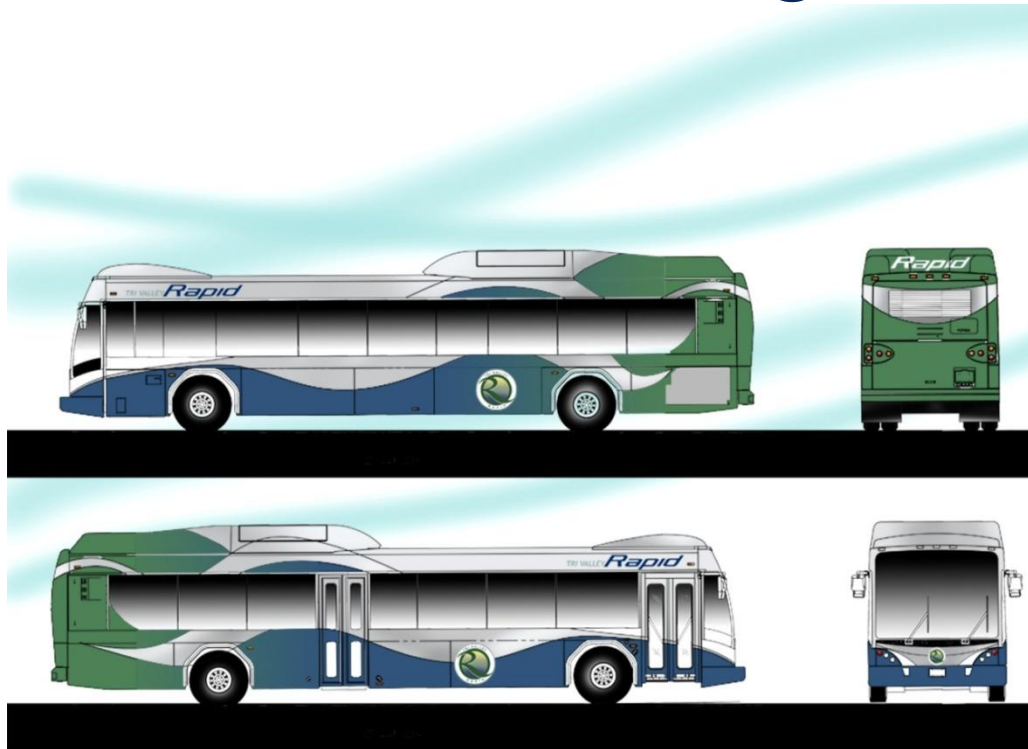






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# Branding Concept





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# Vehicle Concepts



SOURCE: Regional Transportation Commission of Southern Nevada



## CIVIS VEHICLE - LOS VEGAS, NV

Vehicles are optically guided for a seamless ride and smooth stops. Vehicles are able to dock precisely with the station to ensure level boarding.

## NABI 60' BRT VEHICLE - LOS ANGELES, CA

Standard stylized BRT vehicle. CNG buses are clean burning and efficient vehicles used on Los Angeles' Orange Line.

## NEW FLYER BRT VEHICLE - EUGENE, OR

Recently opened EmX in Eugene-Springfield, Oregon.

Vehicles have doors on both sides to accommodate both side and center platforms.

Above is an example of a center platform.





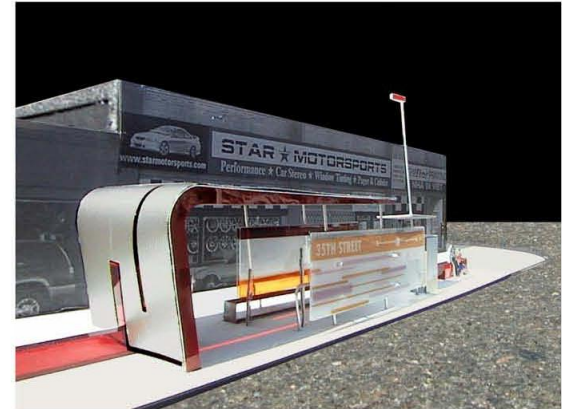


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# Shelter Concepts



SILVER LINE - BOSTON, MA



MID-CITY RAPID BUS - SAN DIEGO, CA  
(Proposed)



ORANGE LINE - LOS ANGELES, CA



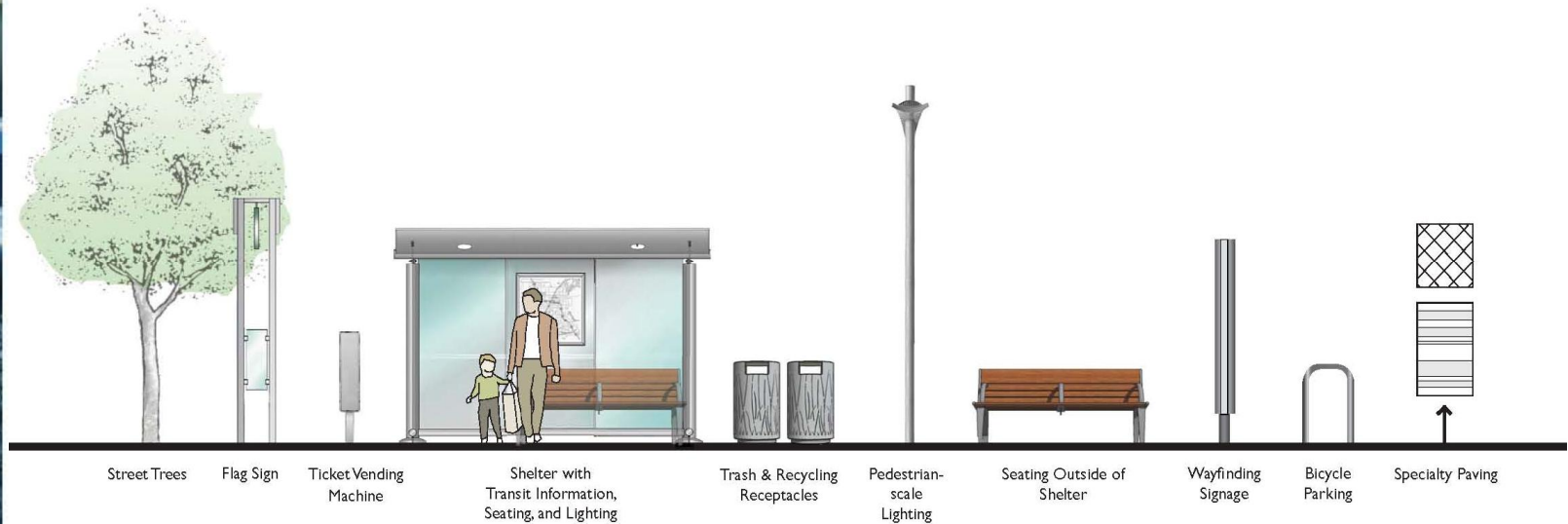
CURITIBA, BRAZIL





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# Bus Stop Amenities Concepts







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# Low-Floor / Level Boarding Concept

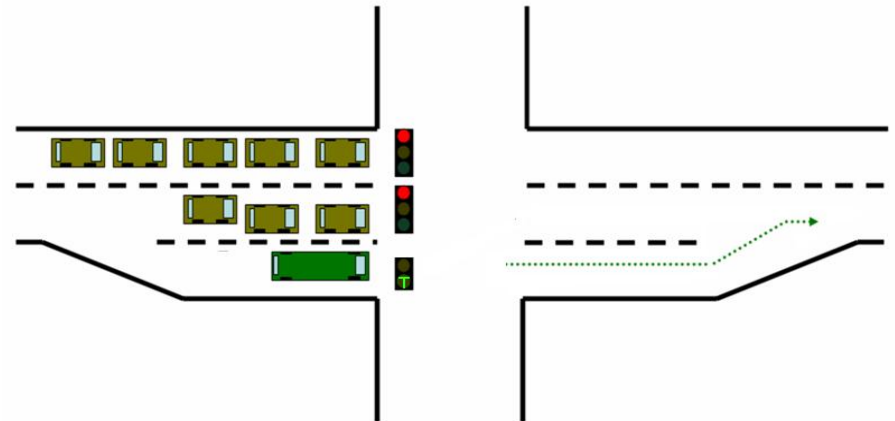






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# Transit Signal Priority and Queue Jump Lanes Concept





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# Bus Arrival Information Concept

10 minute peak / 15 minute off-peak  
headways







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# Off-Vehicle Automatic Fare Collection System Concept



- Minimizes dwell times at stations
- Fare collection for BRT could be similar to proof-of-payment on light rail or trolley systems

